

# XP-002183764

AN - 1978-71520A [40]

CPY - ELED

DC - L02

FS - CPI

IC - C04B7/35 ; C04B13/22

MC - L02-C08

PA - (ELED ) ELECTRO CHEM IND KK

PN - JP53099228 A 19780830 DW197840 000pp

- JP57008784B B 19820218 DW198211 000pp

PR - JP19770013864 19770210

XIC - C04B-007/35 ; C04B-013/22

AB - J53099228 Cement additive (I) consists of (a) 95-50 wt.% calcium sulphoaluminate contg.  $3\text{CaO} \cdot 3\text{Al}_2\text{O}_3 \cdot \text{CaSO}_4$ , free CaO, and free  $\text{CaSO}_4$ , and having >6000 cm.<sup>2</sup>/g. fineness wherein >5 wt.% particles having <1  $\mu$  particle size are present, (b) 5-50 wt.%  $3\text{CaO} \cdot 3\text{Al}_2\text{O}_3 \cdot \text{CaF}_2$  having >3000 cm.<sup>2</sup>/g. fineness, and (c) 0.5-10 wt.% water reducing agent for cement based on the amt. of (a) + (b).

- When a cement mixt. for grouting is preliminarily prepared by mixing 4-40 wt.% (I) with cement, a grouting mortar is obtd. at the site of construction by only admixing aggregate and an appropriate amt. of water. Moreover, reduction of mixing time and prevention of the debasement of the grouting effect may be attained when 0.5-5 times by wt. sand having ca. 2.0-3.0 FM is present.

IW - ADDITIVE GRANULE CEMENT COMPRISE MIXTURE CALCIUM SULPHO ALUMINATE COMPOUND PREPARATION CALCIUM OXIDE ALUMINA CALCIUM FLUORIDE WATER REDUCE COMPOUND

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NC - 001

OPD - 1977-02-10

ORD - 1978-08-30

PAW - (ELED ) ELECTRO CHEM IND KK

TI - Additive for granulating cement - comprises mixt. of calcium sulpho-aluminate, cpd. prepd. from calcium oxide, alumina and calcium fluoride, and water-reducing cpd.